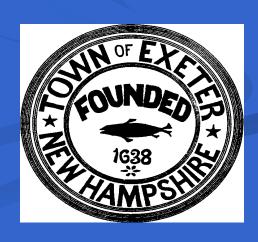
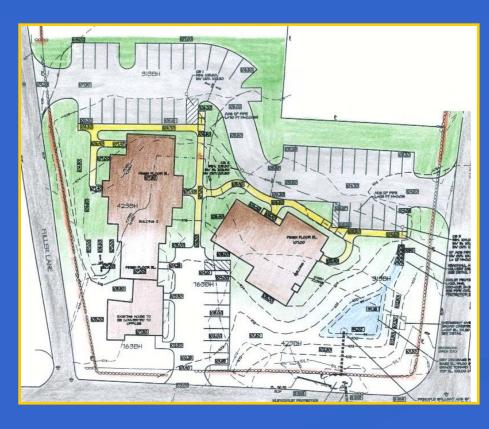
Plan Reading and Analysis

Educational Workshop for Planners and Volunteer Boards

Sylvia von Aulock, Town Planner Town of Exeter, New Hampshire



Reading Two Dimensional Plans in a Three D. World





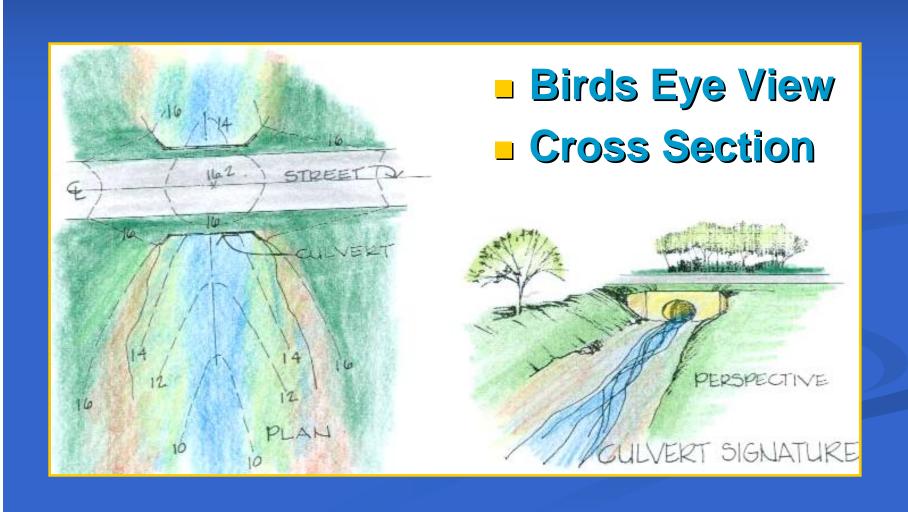
Learning to Read Plans



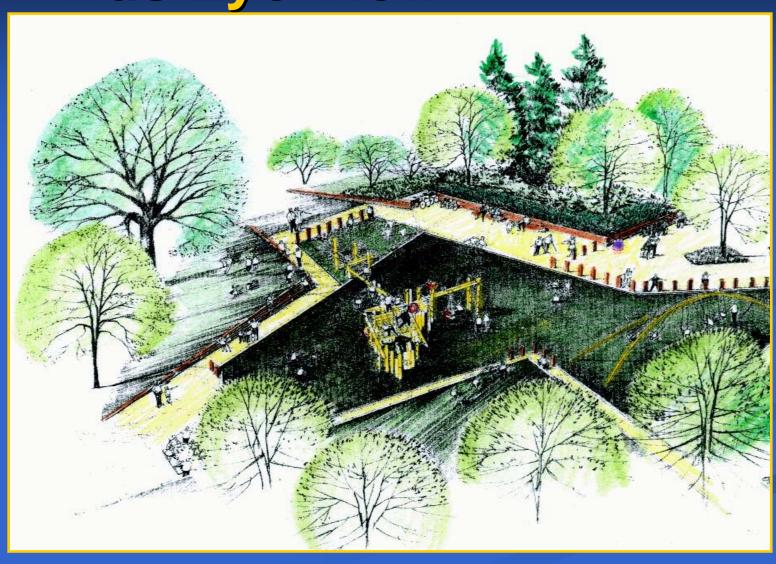
FAMILIARIZE YOURSELF WITH

- 1. Plan Perspective
- 2. Graphic Symbols
- 3. Engineering Terms
- 4. 3 dim. into 2 dim.
- 5. Good design practices

Plan Perspective



Birds Eye View



Open Space Subdivision

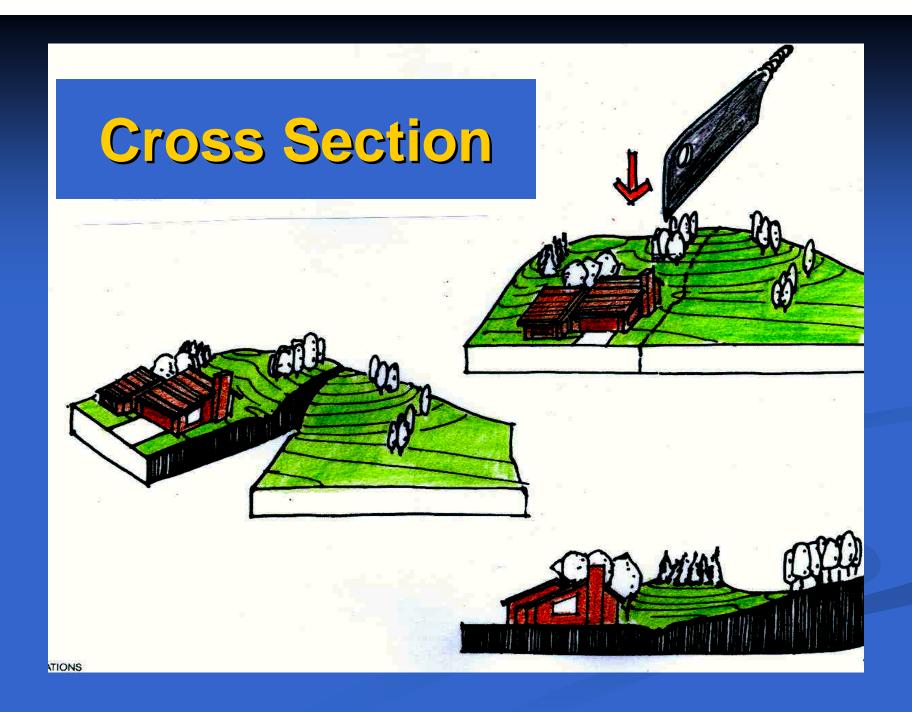


Lots, road, sidewalk, homes, open space

Site Plan Review



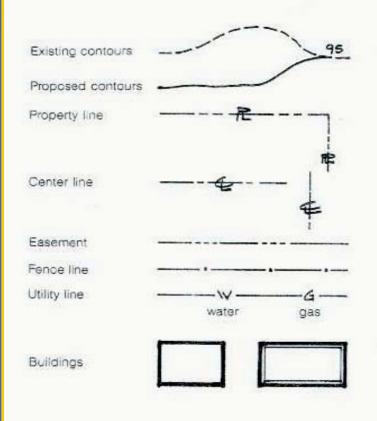
Scale of cleared area, buffers, road circulation

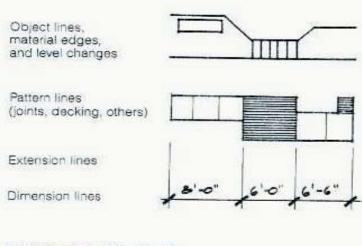


Graphic Symbols

Conventional Symbols and Line Weights for Landscape Working Drawings

Line Symbols (construction plans)





Point Symbols (site plans)



Engineering Terms

Locus Map, Scale, North Arrow

Existing Conditions, Contour Lines, HISS Map

Setbacks: yard, wetland, etc

Detention Pond, Swale, Culvert, Headwall, Rip-Rap

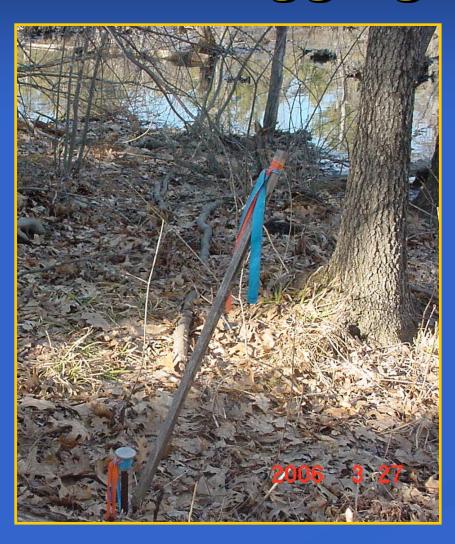
ROW, Road Centerline



Let's Go On A Site Visit



Boundaries, Flagging and Stakes







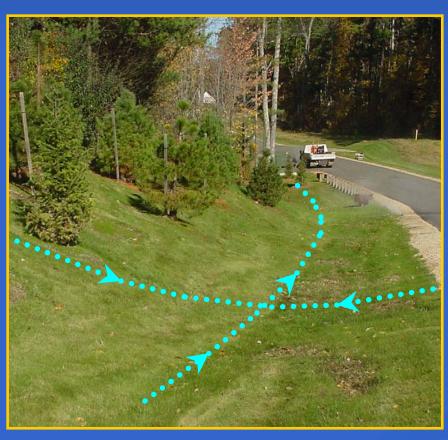
Underground Utilities



- Electrical
- Telephone & Cable
- Gas
- Water
- Sewer
- Fire Cistern
- Drainage
- Irrigation

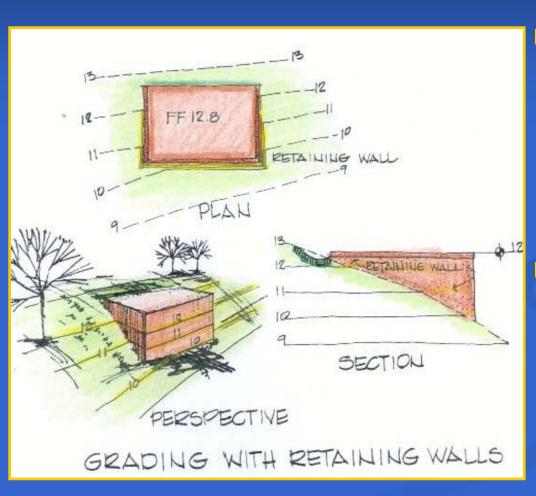
Grading, Drainage and Percent Slopes

3 to 1, 2 to 1, Road Grade, Side Slopes, etc.





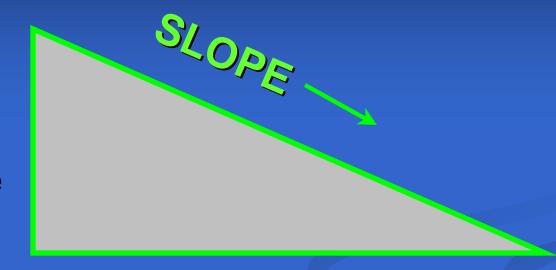
Grading Basics



- Contour lines
 represent a
 specific elevation
 typically above
 sea level
- The elevation along the line remains constant, therefore, contour lines never cross.

Slope Equation

Rise
(height
difference
between
contours)

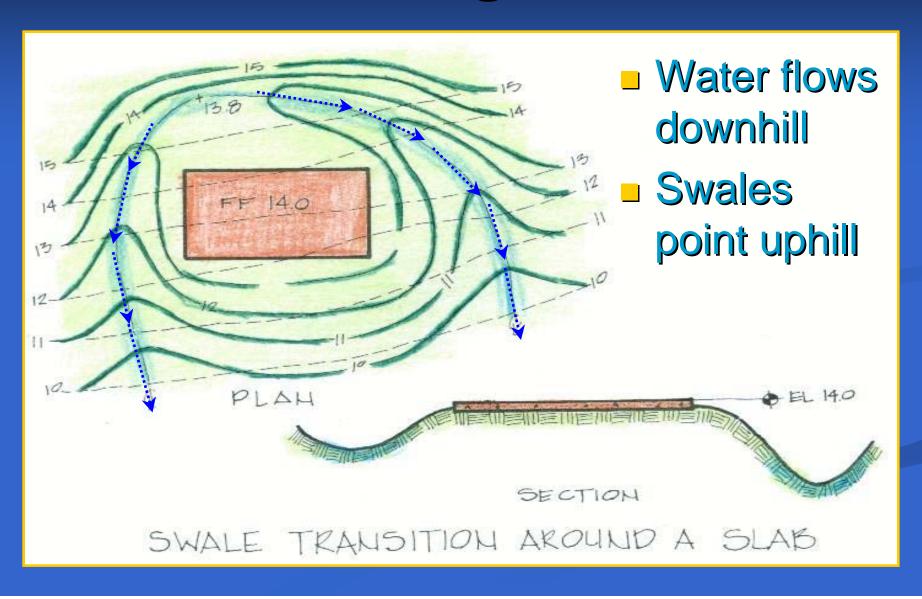


Run (Distance between contours)

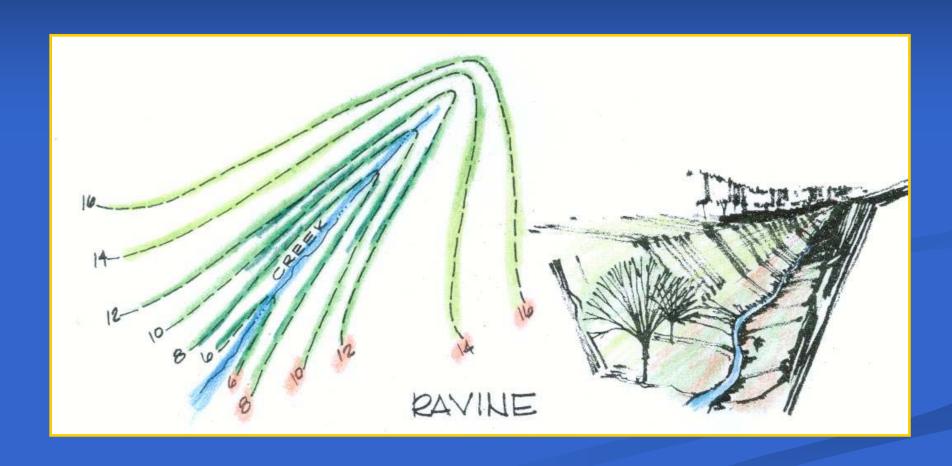
Rise/Run = Slope or % grade

Ex: 2 ft/10 ft = .2 or 20 % slope

Swale Signature



Typical Ravine



DRAINAGE & EROSION CONTROL

Grass-lined Swale

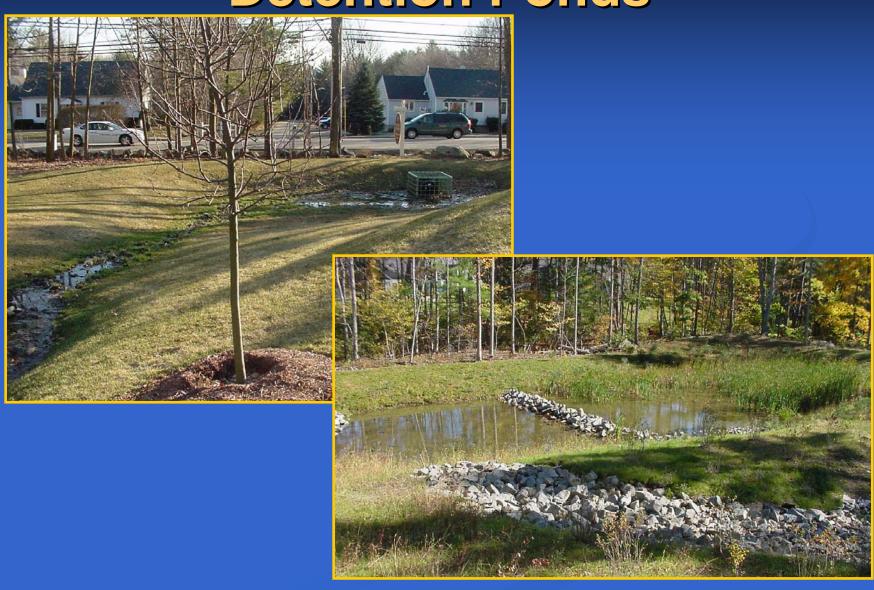


Gravel Slope





Detention Ponds



Retaining Walls:

Field Constructed and Designed





Landscaping



- Entryways
- Parking lots
- Roads
- Cul-de-sacs
- Berms/Screens
- Buffers

Berms and Buffers





Screens



- Dumpsters
- Commercial/ residential mutual boundaries
- Outdoor storage
- Electrical Systems
- "Undesirable neighbors"

Sidewalks and Curbing





HOMEWORK

1. GO OUT ON SITE AND SEE WHAT YOU'VE APPROVED.

- 2. COMPARE WHAT'S ON THE PLANS TO WHAT'S BEEN BUILT.
- 3. INVOLVE YOUR SITE INSPECTOR OR OTHER BOARD MEMBERS.
- 4. CHANGE YOUR
 REGULATIONS AND/OR THE
 WAY YOUR BOARD DOES
 BUSINESS IF YOU DON'T
 LIKE WHAT YOU SEE.

Homework #5 Color Your Plans



Ahhhhhhhaaaaa,
Now I know what
these plans are
proposing!!!

